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PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Roman VITENBERG

Group Art Unit: 2643

Application No.: 09/839,205

Filed: April 23, 2001

Docket No.: 109335

For: COMMUNICATION SYSTEMS CONVEYING VOICE AND DATA SIGNALS OVER  
STANDARD TELEPHONE LINES

INFORMATION DISCLOSURE STATEMENT

Director of the U.S. Patent and Trademark Office  
Washington, D.C. 20231

Sir:

Pursuant to 37 CFR §1.56, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO-1449. Unless otherwise indicated herein, one copy of each reference is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

- ☒ 1. This Information Disclosure Statement is being filed (a) within three months of the U.S. filing date of this non-CPA application, OR (b) before the mailing date of a first Office Action on the merits in the present application. No certification or fee is required.
- ☒ 2. The references were cited in a counterpart foreign application. An English language version of the foreign search report is attached for the Examiner's information.

Respectfully submitted,



James A. Oliff  
Registration No. 27,075

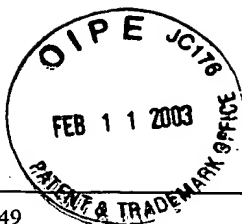
Thomas J. Pardini  
Registration No. 30,411

JAO:TJP/cmm

Date: February 11, 2003

OLIFF & BERRIDGE, PLC  
P.O. Box 19928  
Alexandria, Virginia 22320  
Telephone: (703) 836-6400

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Form PTO-1449 (REV. 8-83)		US Dept. of Commerce PATENT & TRADEMARK OFFICE		ATTY DOCKET NO. 109335		APPLICATION NO. 09/839,205	
INFORMATION DISCLOSURE STATEMENT  (Use several sheets if necessary)				APPLICANT Roman VITENBERG			
				FILING DATE April 23, 2001		GROUP 2643	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	
		5,889,856	03/30/1999	O'Toole et al.			
		5,608,725	03/04/1997	Grube et al.			
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	
		WO 96/24989 A2	08/15/1996	WIPO			
		WO 99/20027 A2	04/22/1999	WIPO			
		WO 01/20865 A1	03/22/2001	WIPO			
		WO 01/20864 A1	03/22/2001	WIPO			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)							
		ITU-T RECOMMENDATION G.922.2: SPLITTERLESS ADSL TRANSCEIVERS, June 1999, XP002181912.					
		Johansson, "ADSL LITE - THE BROADBAND ENABLER FOR THE MASS MARKET" ERICSSON REVIEW, ERICSSON, STOCKHOLM, SE, no. 4, December 22, 1998, pp. 154-161, XP000792054.					
		Colin et al., "QoS considerations for DMT-based ADSL and VDSL systems" ACOUSTICS, SPEECH AND SIGNAL PROCESSING, 1998. PROCEEDINGS OF THE 1998 IEEE INTERNATIONAL CONFERENCE ON SEATTLE, WA, May 12-15, 1998, pp. 3437-3440, XP010279527.					
EXAMINER				DATE CONSIDERED			
Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

Date: February 11, 2003